

ABSTRACT OF THE DISCLOSURE

Anovel A^1 -B- A^2 polymer having a number average molecular weight of 10000 to 100000 is provided that has excellent bioabsorbability so as to disappear in a predetermined period of time even when embedded in a large amount in the body, has good kinetic properties, and is useful for preparing tissue anti-adhesion films. This polymer is composed of segments A^1 and A^2 each having at least either of modified and unmodified amino acid groups, and segment B composed of PEG having a number average molecular weight of 8000 to 50000. The polymer contains both the modified and unmodified amino acid groups, the content of the modified amino acids is 20 to 85 mol% of all the amino acids in the polymer, and segment A^1 is bonded to one end of segment B and segment A^2 is bonded to the other end of segment B.